

THE
OUTCROP
—IS—
#2 a. per
—IS—
ADVANCE AND
\$2.50
TO PEOPLE
WORTHY OF
COURTESY

THE OUTCROP.

The
Paystreak
of
Adviser
never punches
out in this
Paper.
Try one
before the
space is all
staked
out.

Devoted to the Mining and Development of the Windermere and Golden Divisions of the District of North East Kootenay.

Book. III., Chapter 25.

Wilmer, B. C., Thursday, November 20, 1902.

\$2.00 Per Year.

A UNIQUE GLACIER

Discovered on the Columbia Divide 32 Miles Long

Noted Scottish mountain-climber, James Outram, is spending a few days in Vancouver before going to the eastern States, where he opens in New York city a lecturing tour which will extend well throughout the winter season, says the Province. Rev. Mr. Outram has spent two seasons in the Canadian Rockies, and his lectures will deal principally with the southern nature of the mountains of the province of British Columbia.

On the slopes of Mount Columbia, Mr. Outram discovered during September last an enormous ice-field, which estimates cover an area of at least 100 square miles, and awards it precedence over all other ice fields in this province in point of size. The Columbia ice tongue is 32 miles in length. It is exceptionally interesting not only on account of its enormous size, but by reason of the fact that its melting ice and snow supplies water to three large rivers running into three different oceans, and in that Mr. Outram states it is unique among glacial fields. A portion of the ice-cold stream from the Columbia glacier runs into the Saskatchewan, the waters of which ultimately reach the Atlantic; some of the stream enters the Athabasca, which flows into the Arctic, and the remainder flows into the waters of the Columbia River, which flows into the Pacific.

Last year Rev. Mr. Outram spent some time in the Rockies in the company of Mr. Edward Whymper, the noted mountaineer, who was the first to scale the lofty Matterhorn. In September, 1901, Rev. Mr. Outram successfully climbed Mount Assiniboine, 11,800 feet high, and he was the first human being that ever traversed the north side of that mountain, which for years defied the attempts of many and had long been regarded as inaccessible. Mr. Outram found the Assiniboine first on the north side, a comparatively easy feat, and crossing the divide, commenced the descent of the north side, a most perilous undertaking. He was accompanied by Swiss guides, otherwise he is certain that his attempt would have failed, for alone no human being could traverse the countless precipitous cliffs, and the sharp-angled ice slopes. From the crest of the Assiniboine, Mr. Outram states that he obtained the finest mountain views on the continent of America.

During July and August of the present year Mr. Outram spent an exceedingly pleasant holiday on the divide to the north of Field station on the C. P. R. He performed a great deal of mountain exploration work, largely with the intention of becoming better acquainted with the topography of the district. He traveled between sixty and seventy miles along the divide that he might properly determine the location and trend of the great valleys.

In speaking of his discoveries to the Province this morning Mr. Outram stated that the existing topographical maps of the region to the north of Field are in many cases entirely wrong, and will have to be altered; mountains there are shown none exist, and the same with valleys and vice versa. During his explorations Mr. Outram obtained some beautiful views of the divide, which were not shown on the maps, all of which were on an average 1000 feet higher than the mountains on the railway divide. He also climbed Mount

Columbia and Mount Forbes, both of which are about 12,500 feet in height.

A large portion of Mr. Outram's work was carried on in the district drained by the west branch of the north fork of the west Saskatchewan River. He discovered a large unnamed mountain at the head of the west branch. This mountain rises its head a matter of 11,700 feet above sea level, and it is likely that as it was discovered by Mr. Outram it will be named after him.

As a mountaineer Mr. Outram has scaled the far-famed peaks of the Swiss Alps, but he states that not in that country is there climbing and scenery to compare with what is to be encountered in many portions of the Canadian Rockies.

Correspondence.

Re-Telephone Service.

Editor THE OUTCROP:

Sir,—As there appears to be a general misunderstanding as to the origin and present conditions of the telephone service between Wilmer, Atholmer and Windermere, I trust that you will be good enough to publish the following explanation:

Last summer when the wire was strung between the above mentioned towns, it appeared likely that there would be a great delay in making use of it as there had been in the case of the Windermere-Golden line. This, as all are aware, was imperative for several months. There was also the same old grumbling as to whether telephone or telegraph instruments should be installed. In the meantime, realizing what a very great convenience the line would be, primarily to the steamships, but also to the general public, I brought up telephones and attached them to the little wire, giving free use of them to all.

I have received no thanks in the matter, but that is not my reason for asking you to publish this explanation.

Mr. Dunn, who did the work in connection with putting up the instruments, and Mr. Yates, who has been put to a great deal of trouble in attending to the Wilmer office, deserve and should receive recognition from those who must feel that they have been substantially benefited by the service.

Your obedient servant,

F. A. ARMSTRONG.

Golden Hospital Bill.

Editor THE OUTCROP:

Dear Sir,—Having noticed in your last issue the statement that our annual ball is to take place on the 19th inst., could say that this date was mentioned but not decided on, and in order that the people from the uncertainty should be able to attend the ball, it has been arranged that same be held on a Friday.

On account of the final arrangements for the music not having been made yet, I am unable to state the exact date of the ball, but in all probability this will take place on Friday, 21st inst. As we are endeavoring to make the ball a great success, we hope that a number of the people from the uncertainty will favor us with their presence.

Yours truly,

S. G. ROMNEY, Sec'y.

General Hospital, Golden, B.C. Nov. 18th, 1902.

Try THE OUTCROP for job printing.

Fallingtons make a hole in a matted man's pocket.

Rev. Mr. Taggart will conduct services every Sunday in Windermere at 11 a. m. at Atholmer at 3 p. m. and in Wilmer at 7:30 p. m., excepting the first Sunday in October, when he holds services at Golden. Everybody is welcome.

It's a nice warm that turns in before the early hot sun out.

Attracting Tourists

Navigation Co. is Preparing for Big Trade Next Year.

The Upper Columbia Navigation & Tramway Company has completed its work so far as navigating the river is concerned for the season; but the company have plans made that will keep a number of men in employment during the winter months.

It has been decided to make vast improvements in the steamers North Star and Duchess, in order to cater to the wants of the traveling public during next season, which trade, it is expected, will be greatly increased, as will also the freight.

The North Star is to be thoroughly overhauled and repaired. Her engine will be remodeled on a plan very similar to the C. P. R. steamers operating on Kootenay lake. Stateroom accommodation will be provided for 150 passengers, and all other modern improvements made, including a saloon.

The steamer Duchess will be rebuilt throughout and enlarged so that she will fill the river at low water in just the same manner as does the North Star in high water. The Duchess will be fitted up to give the best possible accommodation to passengers and also to handle freight quickly. In fact, the company's aim is to give a service that will not be excelled anywhere.

In a conversation with Capt. Armstrong it was learned that he had succeeded in showing the officials of the C. P. R. the importance of navigation on the Columbia river into this district. Some time ago he had the opportunity of showing a report of the steamer North Star, under most favorable conditions, i. e., preparations were being made to start up the river from Golden with a good list of passengers and a big cargo of freight, and good group of photos of scenes along the river were taken in the cabin. Mr. Marjole expressed surprise and said he had had no idea that a boat the size of the North Star could be operated on this portion of the Columbia river, and was quite anxious to gain information. Since then other officials of the C. P. R. have again and again applied to the Navigation Company for more information, which the company carefully supplied. As a consequence the two companies have entered into an agreement which augurs well for the future.

The C. P. R. have agreed to advertise the Columbia river route along with its own railway and steamer routes, and will issue coupon tickets for this route next spring at all its offices. The Navigation Company agree to put their steamers in accordance with the demands of the C. P. R. and to give a first-class service. This every opportunity will be given tourists and others of leaving of the route.

Many views of the scenery along the river have been taken by Rev. Mr. Yates and these are being framed in groups and put up at all important points along the C. P. R.

Captain Armstrong deserves much credit for his untiring efforts in attracting trade for his company, which will result in a benefit to the entire valley. In Golden the Board of Trade and the citizens generally are assisting in the matter, and an effort should be made at this end of the route to assist in making it the success it is destined to be.

Golden Nuggets

(From Our Own Correspondent.)

Golden, Nov. 15.

C. E. Nylin, of the Miners & Laborers' Cooperative Co., returned from Vancouver Monday. Work on the company's building, west of the Columbia House, is being rapidly pushed ahead and will be ready for use by the 15th of December.

Captain Armstrong with the crew of the Hyak dove into town Thursday evening, having made very good time coming from Wilmer.

Men are very scarce this year and the lumber camps are all short of hands. Several men arrived in town today for one of the camps.

The Hospital Ball has been postponed until the 28th instant. The directors being unable to secure music until that date.

The several stores of the town are getting their Christmas goods ready and are beginning to look quite festive.

Chas. Cartwright and Frank McGeehan arrived in town today with a bunch of cattle for F. Hines & Co.

J. H. Howden, of Beaver, came in today and will remain in town over Sunday.

Wes Bookhout has returned to Golden after an absence of a couple of years.

Fing peng is again in evidence.

The first edition of the Golden Star will appear the first of the month.

Mr. Carlin has come to Calgary and will be absent a couple of weeks.

Jos. Lake, of Atholmer, came down on horseback, Thursday.

F. Halliday, of Field, has been in town for a few days.

ANOTHER SOCIETY.

Object to Learn How to Grow Old Gracefully.

Mr. S. Brewer, of Fairmont, came into town Thursday last Thursday evening looking rather excited. He stated he had a grudge against the editor and was ready to fight to a finish. Ye editor began to slobber and asked him to remove his coat and state his reasons for wanting to scrap. After hanging his coat and hat up in the washbasin room seated himself on the editorial pen and delivered the following oration:

"I came here to force you to give us fair play. You have run THE OUTCROP out three years' and this is my first chance to raise a row with you. You are not giving us old-timers a square deal. I know I'm an old mousback and a hayseed, but you're not going to use me the way you have been doing without hearing from me. You have neglected an old people. Now, why the devil do you want to be forming societies for the benefit of the backsliders? What do you

call it—a college to teach scientific courtship? We don't want any such thing. What I want is a college to teach the old woman and myself how to grow old gracefully, cheerfully and happily. That's what we want! Something that will keep the wrinkles off the old woman's face and let her all the latest fashions in dresses, bonnets, hair-pins, and such like! Here you are, a married man, and never thinking of us old folks at all. Let those young rascals look out for themselves. It isn't fair and you must look after us old codgers."

The editor made profuse apologies to Sam for having neglected "us old codgers" and promised to ventilate his views, and thereby averted a big scrap. And suggested that no better instructors could be got than Mr. and Mrs. Brewer, for if there is a more graceful, happy or cheerful couple on the crest of the old earth they have not been heard from. Sam remained an hour in the palace and it is hoped he will spend more shortly and bring Mrs. Brewer along with him—there is sunshine when they are around.

METAL DISAPPEARANCES

Ingenious Theory of Formation of New Ores.

Most pure metals are in an unstable condition. They have been freed from combination with other chemical elements by the expenditure of energy, and these elements are always waiting their chance to enter anew into the combination. Will all the earth's available metals be finally used up? The history of the use of metals is that of the progress of civilization, so that their total disappearance would be a calamity. In a recent "Introduction to the Study of Metals," written by a Frenchman, this subject is taken up and the author concludes that the utilized metals are finally transformed again into ore and will ultimately collect under ground for future miners to dig up again. We quote below from a review in the *Edinburgh Review* (Paris) by M. Robert Plaval:

"A metal when extracted from its ore, is always subjected to the action of a large number of alternative forces under whose influence its weight diminishes little by little, until it ends by disappearing. Its life may be short or it may be extremely long, but it returns at last to the earth whence it came. It is to be noted that in most cases it even resumes the form in which it was first found as an ore. Iron or tin, which we extract generally from their oxides, are destroyed by oxidation; the principal sources of copper are oxides, and sulphides, and this metal disappears chiefly by oxidation or sulphuration; silver, which we find in the form of simple complex sulphides, is changed back into sulphide with great ease; and lead, whose principal alteration product is the sulphide and the carbonate, is found chiefly in the form of galena and cerussite, gold and platinum, which are rarely found other than pure, and which are only slightly alterable under the most diverse influences, are used up and disappear by friction and mechanical action."

"Often, the masses of metal prepared industrially are altered and disappear little by little, and their remains are scattered as dust, that mingles with the other elements of the soil. Then they meet with saline substances and with water, which dissolve and mineralize them, causing them to enter into the cycle of operations that is going on in the interior of the globe. These waters circulate in the cavities of the earth's crust, and apparently they take part in the reconstitution of minerals, which in the course of centuries, will form new mineralogical deposits to be exploited by the industries of a distant future."

Translation made for Literary Digest.

THE GOLDEN SMELTER

Sec'y Nylin Tells What the Com- pany are Doing

Golden to Have Only a Weekly
Newspaper—Company have
Expended \$45,000.

The smelter at Golden is to be erected by the Laborers' Cooperative Gold, Silver & Copper Mining Company of British Columbia.

C. E. Nylin is the secretary-treasurer of this company and when in Vancouver recently he gave these particulars of the undertaking to a reporter:

The Cooperative company owns about 27 claims, located in the vicinity of Golden. "At present," said he, "we are operating three camps, and employ about 50 men."

In order that the operation of the company's mines may be facilitated and carried on upon an economical basis, the company is putting up a smelter at a cost of about \$25,000, which it expects to have completed in a couple of months. The smelter will be equipped to treat silver-lead, gold and copper ore, and while it is primarily designed to handle the ore mined by the company, its capacity will be sufficient to treat all the ore likely to offer within workable distance. "In fact," said Mr. Nylin, "we already have sufficient promise of business from neighboring mines to keep the furnace busy."

Most of the claims, Mr. Nylin said, were in the vicinity of Golden, while about six were located near Sicamous. The company is erecting a three-story building in Golden, in which it will conduct a store on the cooperative plan. The apartment of the building is to be set apart for a newspaper, to be known as the Golden Star, which will be issued weekly. The press has already been purchased and paid for. The paper will be devoted to the interests of the Cooperative miners.

"Our smelter," said Mr. Nylin, "will be run with water power, and is designed to be operated with the most careful regard to economy. We will save, for one thing, the expense of fuel and freighting."

In connection with the smelter site, we have denominated a township, called North Golden, where 200 lots have already been surveyed.

Up to date our company has expended about \$45,000 on mine exploration and investment, and if things turn out as present prospects indicate, it is our intention to erect an aerial tramway, at a cost of about \$25,000, next spring."

The water power for running the new smelter will be drawn from Hospital creek, a stream which flows in the neighborhood. The conduit will consist of a ditch about two-thirds of a mile long, and some 800 feet of pipe. The necessary pipe for the proposed building will be purchased by Mr. Nylin in Vancouver.

All the world's a fruit basket, and the big fruit is always on top.

Fortunately for the cat, the man he hated didn't get well in the dark.

Hermit are not the only torpid livers. Men are the architects of their own misfortune.

John Burrows left several bags of vegetables at this office Tuesday which are splendid specimens of the fertility of his hands. One potato among the many large ones weighed two pounds.

Application is to be made for a railway charter from Golden to Fort St. James.

THE OUTCROP.

Published Every Thursday in the heart of a Wonderfully Rich Mineral and Agricultural District.

Subscription, \$2.00 a Year; Foreign countries, \$2.50.

Exchange must be added on checks.

Advertising Rates: Display ads, \$2 per column inch per month. Legal ads, 15 cents per column line for first insertion and 10 cents each additional insertion. Notices 25 cents per line each issue. Ninety day legal notices, \$10; sixty days, \$8; thirty days, \$5.

W. P. EVANS,

Publisher and Proprietor.

WILMER, B.C., THURSDAY, NOV. 20, 1902.

It is self-evident that the rancher in this valley has opportunities of making a fortune that are surpassed by few, if any, other sections in the wide Dominion—and the only grave difficulty to contend with is the Chinese question. The Chinamen have really done little harm yet and it is not likely they will be allowed to. The rancher here receives good prices and has a ready market for everything he can produce. One other advantage is that he can make good wages by hauling his vegetables and beef to the mines. Another is that he can have employment for his teams during the winter in hauling ore from the mines or freight from Golden. At the present time every man and horse that can be got are employed and more are needed. More, as the country develops, the demand will be greater, and as the land is suitable for agricultural purposes is limited the market price will always be good.

That the small amount of work accomplished during the past summer in the direction of tourist trade has been a greater success than was anticipated is very good reason for more work being done. Now that we have made a good start a united effort should be made to keep the Upper Columbia valley before the world. During the winter an association might be formed along the same lines as those adopted in other portions of the province. That British Columbia is attracting world-wide attention as an ideal resort for tourists cannot be disputed, and, therefore, it is much easier to attract tourists to any locality than many may suppose. Yet it will take persistent efforts to make the fact known that there are few districts that have so many and varied points of interest and beauty as this has. The tourist traffic in time will be one of the most valuable assets this valley possesses and should be developed in every possible way.

There appears to be little reason for the general belief that is abroad concerning the syndicate that has announced its intention of building a Vulcan smelter at Golden, and that belief is that their is something wrong somewhere and that North East Kootenay eventually will suffer from the doings of this syndicate.

The Outcrop would not charge the syndicate with intentional fraud or wild-cattling, but asks it to state frankly that these suspicions are false, and, moreover, will give the opportunity in these columns to prove that the syndicate is operating on sound business principles and with fairness to the public.

The syndicate, or rather company, is known as the Miners' & Laborers' Co-operative Company. Last spring representatives of the company took hold of the Good Luck group of claims and since have been steadily developing it and it is stated will have 1,000 tons of ore ready to smelt by the end of the year. The company have also control of a big block of land near Golden, a portion of which has been surveyed for town lots and another portion is cleared for a smelter site. A building is being erected in Golden for offices, stores, etc. So far, so good, and the company deserve credit for all they have accomplished.

But it is what this company are credited with planning to do that has raised the suspicion in the mind of the public and created no small amount of discussion.

In the first place the company are selling stock to the public, more particularly in the eastern States—then it is of public interest.

It is stated that each shareholder is entitled to a regular copy of a daily newspaper to be published in Golden by the company, which is ridiculous.

A Vulcan smelter is to be in operation about the first of the new year, it is stated, and the question is asked: Who knows of a Vulcan smelter that was ever successfully operated one day? and, also, where is the ore that justifies the erection of the smelter?

It is further stated that the president of the company is a reverend gentleman who is selling stock to his flock of Swedes in the eastern States.

There are other rumors afloat, but as these are the principle ones, it is only fair that they should be printed and the directors of the company given an opportunity of defending themselves.

LAKE & CO.**Just Arrived**

**Mining Supplies,
Groceries,
Provisions,
Dry Goods,
Etc., Etc.**

**Fresh Stock of Groceries,
Hardware, Tinware, Caps, Fuse and Giant Powder.**

Miners' Supplies

Fresh Butter and Eggs

Always on Hand.

Lowest Estimates given Mining Men.

Family Trade Solicited.

Everything for the Prospectors.

Mail Orders Promptly Attended to

**LAKE & CO.,
Atholmer.**

First-Class in Every Respect.

The HOTEL DELPHINE

WILMER, B.C.

A Table that is Replete with the
Choicest Seasonable Viands

Rooms: Large, Airy and Comfortable.

Special Attention to
the Mining Trade.

* * *

G. A. STARKE, Prop.

New Stock of GENERAL SUPPLIES

Full Lines of

**Drugs,
Stationery,
Etc., Etc.**

**A. R. YATES,
Chemist and Druggist,
WILMER, B.C.**

A Beauty Spot in Nature is**Canterbury**

The Ideal Resort for Tourist which is so naturally situated that it is sure to be the abode of thousands of home-seekers in the near future.

Canterbury is the recognized Central Point of North East Kootenay.

A safe and profitable Investment.

Capital hesitates to buy when not being able to obtain a deed of their property when paid for. Take no chances in this respect.

We Guarantee you a Deed on all Lots immediately on payment or Refund Money.

The Canterbury Townsite Co. Ltd.,

**W. S. SANTO,
Agent,
Canterbury, B.C.**

Union Hotel,

Is a first-class house in every respect, where commercial, stock and mining men and prospectors have all the comforts of home-life. The physical and spiritual welfare of the travelling public are here attended to with care and promptness.

**WM. CHAMBERLAIN, Proprietor,
Wilmer, B.C.**

STEAMER**NORTH STAR**

After September 1st, 1902, will
make One Trip a Week only,

Leaving Golden at
8 a.m. Tuesdays

Returning Leaves
Windermere 6 a.m. Saturdays.

**Upper Columbia
Navigation &
Tramway Co., (Ltd.)
O. H. FARSON, Secretary, Golden.**

